

**IN THE CLAIMS**

1. (PREVIOUSLY PRESENTED) A non-aggregating, non-immunogenic amuclear cellular composition consisting of:

- a) a mammalian amuclear cell having a cell surface and antigenic determinants on said surface;
- b) a sufficient amount of hydrophilic, biocompatible, non-immunogenicity providing compound or polymer covalently attached to said surface so that recognition of said antigenic determinants on said surface is blocked by said covalently bonded hydrophilic, biocompatible, non-immunogenicity providing compound or polymer.

2. (PREVIOUSLY PRESENTED) A non-aggregating, non-immunogenic nuclear cellular composition in which at least 25% by number of nuclear cells in said composition remain viable for 96 hours consisting of:

- a) a mammalian nuclear cell having a cell surface and antigenic determinants on said surface;
- b) a sufficient amount of hydrophilic, biocompatible, non-immunogenicity providing compound or polymer covalently attached to said surface so that recognition of said antigenic determinants on said surface is blocked by said covalently

bonded hydrophilic, biocompatible, non-immunogenicity  
providing compound or polymer.

3. (PREVIOUSLY PRESENTED) A non-aggregating, non-immunogenic  
nuclear cellular composition having insufficient amounts of toxic materials  
within said composition to be toxic to nuclear cells within said composition  
consisting essentially of:

- a) a mammalian nuclear cell having a cell surface and antigenic  
determinants on said surface;
- b) a sufficient amount of hydrophilic, biocompatible, non-  
immunogenicity providing compound or polymer covalently attached  
to said surface so that recognition of said antigenic determinants on  
said surface is blocked by said covalently bonded hydrophilic,  
biocompatible, non-immunogenicity providing compound or polymer.

4. (PREVIOUSLY PRESENTED) A non-aggregating, non-immunogenic  
anuclear or nuclear cellular composition consisting of:

- a) a mammalian anuclear or nuclear cell having a cell surface and  
antigenic determinants on said surface;
- b) a sufficient amount of hydrophilic, biocompatible, non-  
immunogenicity providing compound or polymer covalently attached  
to said surface so that recognition of said antigenic determinants on

said anuclear or nuclear cell surface is blocked by said covalently bonded hydrophilic, biocompatible, non-immunogenicity providing compound or polymer, said composition being free of any by-products from the covalent attachment of said hydrophilic, biocompatible, non-immunogenicity providing compound or polymer to said anuclear or nuclear cell surface.

5. (PREVIOUSLY PRESENTED) A non-aggregating, non-immunogenic cellular composition having insufficient amounts of toxic materials within said composition to be toxic to cells within said composition consisting essentially of:
  - a) a mammalian nuclear cell having a cell surface and antigenic determinants on said surface;
  - b) a sufficient amount of hydrophilic, biocompatible, non-immunogenicity providing compound or polymer covalently attached to said surface so that recognition of said antigenic determinants on said surface is blocked by said covalently bonded hydrophilic, biocompatible, non-immunogenicity providing compound or polymer.
6. (PREVIOUSLY PRESENTED) A viable, non-aggregating, non-immunogenic cellular composition consisting essentially of:

- a) a mammalian nuclear cell having a cell surface and antigenic determinants on said surface;
- b) a sufficient amount of hydrophilic, biocompatible, non-immunogenicity providing compound or polymer covalently attached to said surface so that recognition of said antigenic determinants on said surface is blocked by said covalently bonded hydrophilic, biocompatible, non-immunogenicity providing compound or polymer.

7. (PREVIOUSLY PRESENTED) A non-immunogenic cellular composition consisting essentially of:

- a) a mammalian nuclear cell having a cell surface and antigenic determinants on said surface;
- a sufficient amount of hydrophilic, biocompatible, non-immunogenicity providing compound or polymer covalently attached to said surface so that recognition of said antigenic determinants on said surface is blocked by said covalently bonded hydrophilic, biocompatible, non immunogenicity providing compound or polymer.

8. (ORIGINAL) The cellular composition of claim 1 wherein said hydrophilic, biocompatible, non-immunogenicity providing compound or polymer is a polyalkylene glycol.

9. (ORIGINAL) The cellular composition of claim 1 wherein said hydrophilic, biocompatible, non-immunogenicity providing compound or polymer is a methoxypolyalkylene glycol.
10. (ORIGINAL) The cellular composition of claim 1 wherein said hydrophilic, biocompatible, non-immunogenicity providing compound or polymer is a dextran.
11. (ORIGINAL) The cellular composition of claim 1 wherein said hydrophilic, biocompatible, non immunogenicity providing compound or polymer is Ficoll.
12. (ORIGINAL) The cellular composition of claim 1 wherein said hydrophilic, biocompatible, non-immunogenicity providing compound or polymer is arabinogalactan.
13. (ORIGINAL) The cellular composition of claim 1 wherein said linking moieties are covalently bonded to said antigenic determinants on said cell surface.
14. (PREVIOUSLY PRESENTED) The cellular composition of claim 1 wherein said cell is an amuclear cell and the covalently bonded hydrophilic,

biocompatible, non-immunogenicity providing compound or polymer is covalently bonded to the nuclear cell through a unit derived from reaction of a cyanuric chloride linking group on the covalently bonded hydrophilic, biocompatible, non-immunogenicity providing compound or polymer to the cell surface.

15. (PREVIOUSLY PRESENTED) The cellular composition of claim 1 wherein said anuclear cell is a red blood cell.

16. (ORIGINAL) The cellular composition of claim 10 wherein the antigenic determinants comprise a blood group antigenic determinants.

17. (PREVIOUSLY PRESENTED) The cellular composition of claim 1 wherein said anuclear cell is a platelet.

18. (PREVIOUSLY PRESENTED) The cellular composition of claim 2 wherein said cell is a lymphocyte and the covalently bonded hydrophilic, biocompatible, non-immunogenicity providing compound or polymer is covalently bonded to the nuclear cell through a unit derived from reaction of a cyanuric chloride linking group on the covalently bonded hydrophilic, biocompatible, non-immunogenicity providing compound or polymer to the cell surface.

19. (CURRENTLY AMENDED) The cellular composition of claim 2 wherein linking moieties covalently attach the hydrophilic, biocompatible, non-immunogenicity providing compound or polymer to said surface, said linking moieties are covalently attached to said antigenic determinants on said cell surface and said nucleated cell is a vascular endothelial cell.
20. (CURRENTLY AMENDED) The cellular composition of claim 2 wherein linking moieties covalently attach the hydrophilic, biocompatible, non-immunogenicity providing compound or polymer to said surface, said linking moieties are covalently attached to said antigenic determinants on said cell surface and said nucleated cell is a hepatic cell.
21. (CURRENTLY AMENDED) The cellular composition of claim 2 wherein linking moieties covalently attach the hydrophilic, biocompatible, non-immunogenicity providing compound or polymer to said surface, said linking moieties are covalently attached to said antigenic determinants on said cell surface and said nucleated cell is a neuronal cell.

22. (CURRENTLY AMENDED) The cellular composition of claim 2

wherein linking moieties covalently attach the hydrophilic, biocompatible, non-immunogenicity providing compound or polymer to said surface, said linking moieties are covalently attached to said antigenic determinants on said cell surface and said nucleated cell is a pancreatic cell.

23. (CURRENTLY AMENDED) The cellular composition of claim 2

wherein linking moieties covalently attach the hydrophilic, biocompatible, non-immunogenicity providing compound or polymer to said surface, said linking moieties are covalently attached to said antigenic determinants on said cell surface and said nucleated cell is an epithelial cell.

24. (PREVIOUSLY PRESENTED) A method of producing a non-

immunogenic mammalian cell, said method comprising:

covalently attaching an amount of hydrophilic, biocompatible, non-immunogenicity providing compound or polymer to the cell surface, directly or by means of a linking moiety, so that said hydrophilic, biocompatible, nonimmunogenicity providing compound or polymer blocks recognition of antigenic determinants on the cell surface and yields a non immunogenic cell.



25. (CURRENTLY AMENDED) The method of claim 24 wherein linking moieties covalently attach the hydrophilic, biocompatible, non-immunogenicity providing compound or polymer to said surface, said linking moiety is covalently bonded to said antigenic determinants on said cell surface.

26. (ORIGINAL) The method of claim 24 wherein said cell is a red blood cell.

27. (CANCELLED)

28. (ORIGINAL) The method of claim 21 wherein said cell is part of a tissue or organ and the covalently bonded hydrophilic, biocompatible, non-immunogenicity providing compound or polymer is covalently bonded to the nuclear cell through a unit derived from reaction of a cyanuric chloride linking group on the covalently bonded hydrophilic, biocompatible, non-immunogenicity providing compound or polymer to the cell surface.

29. (CANCELLED)

30. (CANCELLED)

31. (ORIGINAL) The cellular composition of claim 2 wherein said cell is a platelet and the covalently bonded hydrophilic, biocompatible, non-immunogenicity providing compound or polymer is covalently bonded to the nuclear cell through a unit derived from reaction of a cyanuric chloride linking group on the covalently bonded hydrophilic, biocompatible, non-immunogenicity providing compound or polymer to the cell surface.

32.-52. (CANCELLED)

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